

What is claimed by the invention is:

1. A system for digital radio communication with a wireless local area network, said system comprising:

a voice messaging system;

a device comprising a first digital radio;

a second digital radio; and

bridging means for connecting said voice messaging system and said second digital radio;

wherein communications between said first digital radio and said voice messaging system are established using said second digital radio and said bridging means.

2. The system of claim 1, wherein said device is a cash register comprising a phone.

3. The system of claim 2, wherein said first digital radio and said second digital radio each comprises a first channel for data communication and a second channel for voice communication.

4. The system of claim 2, wherein said phone is provided with a liquid crystal display and caller identification, wherein the identity of incoming calls is displayed on said LCD.

5. The system of claim 2, wherein said system further comprises a data storage device having a user specified caller priority table.

6. The system of claim 5, wherein said phone comprises a multi-tone ring feature having different rings for callers identified by said caller priority table.

7. The system of claim 2, wherein said phone comprises a radio for wireless communication with said register.

8. The system of claim 2, wherein said phone comprises a RS-232 serial port.

9. The system of claim 2, wherein said phone comprises a LCD and a key pad for data communication.

10. The system of claim 2, wherein said phone comprises a LCD and a key pad for data communication with a remote device through a private branch exchange telephone system ("PBX").

11. The system of claim 2, wherein said phone comprises a LCD and a key pad for data communication with a voice message system in a PBX.

12. The system of claim 2, wherein said phone comprises a LCD and a key pad for data communication with a device on a local area network.

13. The system of claim 1, wherein said device is a phone comprising a means for digital signal processing and a means for coding and decoding voice transmissions.

14. The system of claim 13, wherein said phone communicates using digital packets of information and standard Internet protocols.

15. A system for digital radio communication with a wireless local area network, said system comprising:

a private branch exchange telephone system ("PBX") comprising a voice messaging system;

a device comprising a first digital radio;

a second digital radio;

a network comprising a plurality of computer devices; and

bridging means for connecting said voice messaging system and said second digital radio;

wherein said PBX and said bridging means are connected to said network and wherein communications between said first digital radio and said voice messaging system are established using said second digital radio and said bridging means.

16. The system of claim 15, wherein the network is an Ethernet.
17. The system of claim 15, wherein the network is a Token Ring Network.
18. The system of claim 15, wherein said device is a cash register comprising a phone.
19. The system of claim 18, wherein said first digital radio and said second digital radio each comprises a first channel for data communication and a second channel for voice communication.
20. The system of claim 18, wherein said system further comprises a data storage device having a user specified caller priority table.
21. The system of claim 18, wherein said phone comprises a multi-tone ring feature having different rings for callers identified by said caller priority table.
22. The system of claim 18, wherein said phone comprises a LCD and a key pad for data communication with said voice message system.
23. The system of claim 15, wherein said device is a phone comprising a means for digital signal processing and a means for coding and decoding voice transmissions.

24. The system of claim 23, wherein said phone communicates using digital packets of information and standard Internet protocols.

25. A system for digital radio communication with a wireless local area network, said system comprising:

a host interface unit ("HIU") comprising a computer;

a voice messaging system;

a device comprising a first digital radio;

a second digital radio; and

a bridging means for connecting said HIU and said second digital radio;

wherein said HIU is connected to said voice messaging system and a Central Office telephone line and wherein communications between said first digital radio and said HIU are established using said second digital radio and said bridging means.

26. The system of claim 25, wherein said device is a cash register comprising a phone.

27. The system of claim 25, wherein said first digital radio and said second digital radio each comprises a first channel for data communication and a second channel for voice communication.

28. The system of claim 25, wherein said system further comprises a data storage

device having a user specified caller priority table.

29. The system of claim 26, wherein said phone comprises a multi-tone ring feature having different rings for callers identified by said caller priority table.

30. The system of claim 26, wherein said phone comprises a LCD and a key pad for data communication with said voice message system.

31. The system of claim 25, wherein said device is a phone comprising a means for digital signal processing and a means for coding and decoding voice transmissions.

32. The system of claim 31, wherein said phone communicates using digital packets of information and standard Internet protocols.

33. A system for digital radio communication with a wireless local area network, said system comprising:

- a private branch exchange telephone system ("PBX");
- a host interface unit ("HIU") comprising a computer;
- a device comprising a first digital radio;
- a second digital radio;
- a network comprising a plurality of computer devices; and

a bridging means for connecting said second digital radio and said HIU;
wherein said first digital radio and said second digital radio communicate using a first channel for data communications and a second channel for voice communications, wherein said PBX and said HIU are connected to said network and wherein said device communicates with said PBX.

34. The system of claim 33, wherein the network is an Ethernet.
35. The system of claim 33, wherein the network is a Token Ring Network.
36. The system of claim 33, wherein said system further comprises a voice messaging system.
37. The system of claim 33, wherein said PBX comprises a voice messaging system.
38. The system of claim 33, wherein said device is a cash register comprising a phone.
39. The system of claim 36, wherein said system further comprises a phone and said HIU comprises a data storage device having a user specified caller priority table.
40. The system of claim 39, wherein said phone comprises a multi-tone ring feature having different rings for callers identified by said caller priority table.

41. The system of claim 39, wherein said phone comprises a LCD and a key pad for data communication with said voice message system.

42. The system of claim 38, wherein said phone comprises a RS-232 serial port.

43. The system of claim 33 wherein said device is a phone comprising a means for digital signal processing and a means for coding and decoding voice transmissions.

44. The system of claim 43, wherein said phone communicates using digital packets of information and standard Internet protocols.